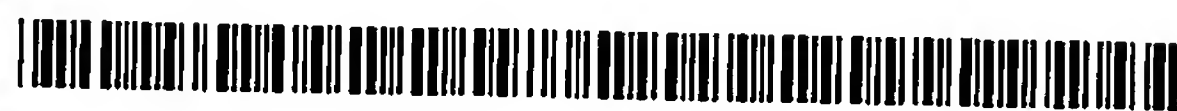


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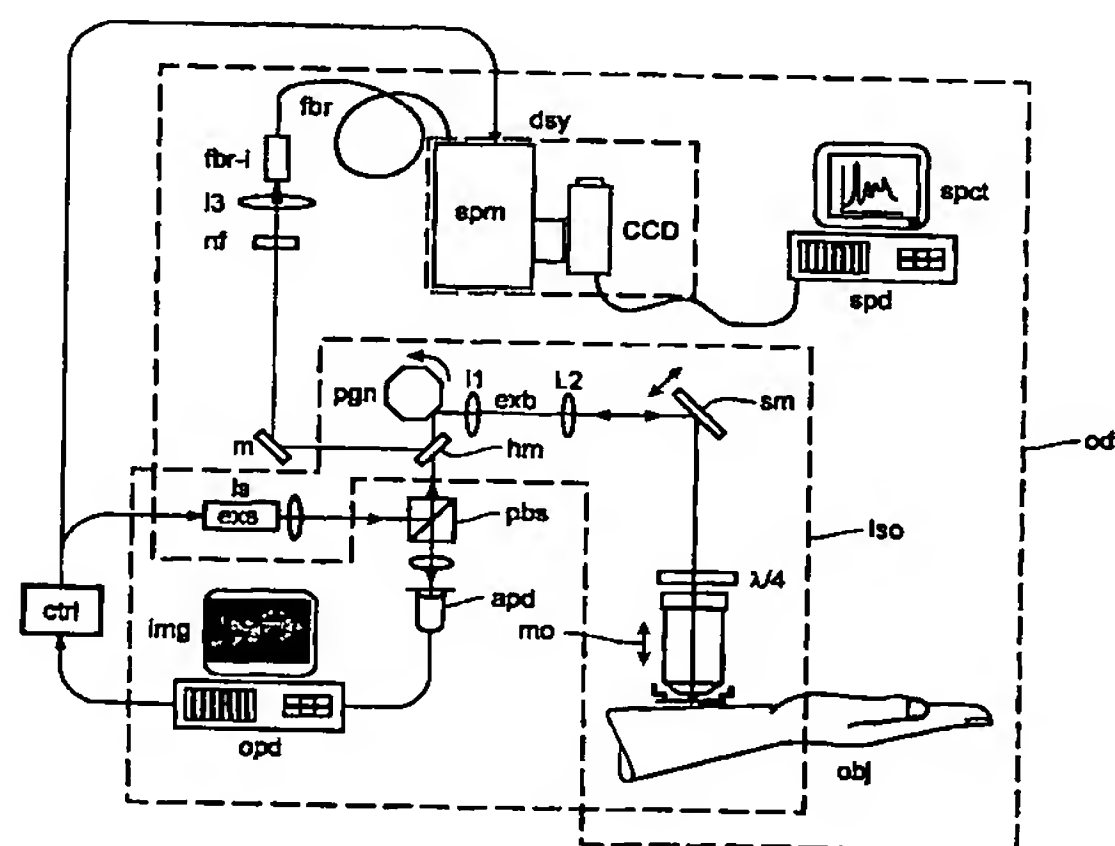
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(54) Title: ANALYSIS APPARATUS AND METHOD



(57) **Abstract:** The present invention relates to an analysis apparatus, in particular a spectroscopic analysis apparatus, for analysing an object, such as the blood of a patient, and a corresponding analysis method. An excitation system (exs) emits an excitation beam (exb) to excite a target region and a beam separation analysis method. An excitation system (exs) emits an excitation beam scattered radiation, said scattered radiation being generated by the excitation beam (exb) at the target region. A monitoring system (iso) generates an image of the target region using the elastically scattered or the inelastically scattered radiation and defines a region of interest in said image. To increase efficiency of the recording of Raman spectra, a control unit (ctrl) is provided for controlling the excitation system (exs) such that the defined region of interest of the target region is excited and/or for controlling the detection system (dsy) such that only signals from the defined region of interest are detected, and a detection system (dsy) is provided for detecting scattered radiation from the defined region of interest generated by the excitation beam. Preferably the signal from the defined region of interest is averaged by distributing the laser excitation power over the defined region of interest area.